

OPH 131
OPTICAL DISPENSING I

COURSE DESCRIPTION:

Prerequisites: Enrollment in Opticianry or Optical Apprentice Certificate programs

Corequisites: ENG 090 and RED 090 or satisfactory score on placement test

This course introduces the historical and modern dispensing practices and the laws governing opticianry. Topics include basic eyeglass choices, measurements, dispensing, adjustments, and record keeping. Upon completion, students should be able to evaluate patient needs and wearing success. Course Hours Per Week: Class, 3. Semester Hours Credit, 3.

COURSE OBJECTIVES:

Upon completion of the course, the student will be able to:

- a. Define terms used to describe eyewear;
- b. Demonstrate knowledge of frame and lens materials;
- c. Determine face shapes and lifestyle needs
- d. Understand difference between datum and boxing system;
- e. Recognize and demonstrate usage of optical tools in frame adjustments;
- f. Fill out job tickets, maintain records, etc.;
- g. Perform measurements of frames, PD's, multifocal heights;
- h. Adjust frames to proper fit and comfort;
- i. Dispense eyewear to consumer;
- j. Demonstrate proper telephone skills;
- k. Perform minor repairs;
- l. Analyze Rx and determine customer's Rx needs;
- m. Select appropriate multifocal lens;
- n. Identify all types of multifocal and demonstrate product knowledge;
- o. Identify unknown progressive addition lenses;
- p. Fit reading glasses, half-eyes and other presbyopic eyewear;
- q. Evaluate patient success;
- r. Demonstrate knowledge of and regulations affecting safety eyewear;
- s. Demonstrate knowledge of all rules and regulations as they relate to eyewear dispensing at the state and federal level, including NC Law, FTC, FDA and EPA;
- t. Describe the training and functions of eyecare professionals;
- u. Describe purpose and membership requirements of major optical associations;
- v. Describe the historical development of optics and eyewear.

OUTLINE OF INSTRUCTION:

- I. History of optics and eyewear
 - A. Pre-nineteenth century
 - B. Nineteenth century
 - C. Modern developments

- II. Training, functions and types of eyecare professionals
 - A. Job descriptions
 - B. Optical dispensaries
 - C. Educational requirements
 - D. Optical organizations

- III. Measurements
 - A. Pupillary measurements
 - B. Frame measurements
 - C. Lens measurements

- IV. Single-vision & multifocal lenses
 - A. Types
 - B. Materials
 - C. Progressive addition lenses
 - D. Selection of the correct multifocal

- V. Frame materials
 - A. Terminology
 - B. Materials

- VI. Frame alignment and adjustment
 - A. Standard alignments
 - B. Using optical hand tools

- VII. Frame selection
 - A. Face shape analysis
 - B. Rx analysis
 - C. Specialty eyewear
 - D. Lifestyle dispensing

- VIII. Eyewear repair
 - A. Broken screws
 - B. Hidden hinge repair
 - C. Restringing

- IX. Optical office / Customer care
 - A. Record keeping
 - B. Telephone skills

- C. Interpersonal skills
 - D. Lens and frame pricing strategies
- X. Accommodative Mechanism
- A. Ocular structures
 - B. Definition of accommodation
 - C. Description of presbyopia
- XI. Rules and regulations
- A. Federal laws
 - 1.) FTC
 - 2.) OSHA
 - 3.) FDA
 - B. State laws

REQUIRED TEXTBOOK AND MATERIALS:

Brooks & Borish. Systems for Ophthalmic Dispensing. 2nd ed. The Professional Press, 1996.

STATEMENT FOR STUDENTS WITH DISABILITIES:

Students who require academic accommodations due to any physical, psychological, or learning disability are encouraged to request assistance from a disability services counselor within the first two weeks of class. Likewise, students who potentially require emergency medical attention due to any chronic health condition are encouraged to disclose this information to a disability services counselor within the first two weeks of class. Counselors can be contacted by calling 686-3652 or by visiting the Student Development Office in the Phail Wynn Jr. Student Services - Center, room 1309.